

Abstract

A device and method are provided for the detection of a structure, preferably an adhesive extrusion line, to be applied to a substrate. The device includes an illumination module and a sensor unit. The sensor unit is provided on the facility that applies the structure. An analytical unit is provided which places a set of calipers over the set of data determined by the image elements, whereby the calipers preferably extend orthogonal to the track of the substrate structure. The structure is determined by based on the brightness profile of the gray values along the calipers. A second derivative of the profile of the gray values is used for structure determination. The structure determination is performed according to the following criteria: a. level of edge contrast; b. width of structure; c. difference between set vs actual position; e. difference between set vs actual width of the structure; g. difference between set vs actual brightness of the structure; i. difference between set vs actual brightness of the background.